| Ind | PY | Ωf | Cla | ims |
|-----|----|----|-----|-----|



Application/Control No.

10/709,584

Examiner

Joseph M. Pelham

Applicant(s)/Patent under Reexamination

PETKOV ET AL.

Art Unit

3742

| <br>√ | Rejected |
|-------|----------|
| ,     | 6.:      |

| _ | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |
|---|--------------------------------|--|--|--|--|--|--|--|
| Ŀ | Postricted                     |  |  |  |  |  |  |  |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla            | im  |                | _              |          |          | Dat  | <u>e</u> |  |          | ᆜ               |
|----------------|---|----------------|----------------|----------|----------|--|----------|--|----------|-----------------|
| Final          | Original  | 1200           |                |          |          |  |          |  |          |                 |
|                |   | マ              |                |          |          |  |          |  |          |                 |
|                | 1<br>2<br>3<br>4<br>5<br>6<br>7                   |                |                |          |          |  |          |  |          |                 |
|                | 3   | Ш              | _              | _        | _        | _  | _        | <u> </u>   | <u> </u> | Щ               |
|                | 4   | Н              | _              | _        | _        | <u> </u>   |          | <u> </u>   | _        | Ш               |
| -              | _5  | H              | ┞              | ├        |          | ⊬  | -        | ┝  | ┡        | Н               |
|                |   | -              | ├─             | -        | ├        | ├  | ├        | ╢  | ┝        | Н               |
|                | 8   | -              |                | $\vdash$ |          | $\vdash$   | $\vdash$ | $\vdash$   |          | Н               |
|                | 9   | 11             |                | $\vdash$ | $\vdash$ | $\vdash$   |          |  | $\vdash$ | Н               |
|                | 10  | 1              |                |          |          |  |          | Г  |          | П               |
|                | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17 | $\nabla$       |                |          |          |  |          |  |          |                 |
|                | 12  | 1              |                |          |          |  |          |  |          |                 |
|                | 13  | 1              | _              | _        | _        | _  | _        | <u> </u>   | _        | Ш               |
| <u> </u>       | 14  | 7              | _              | _        | _        | _  | _        | <u> </u>   |          |                 |
| <u> </u>       | 15  | 1              | ļ.             |          |          |  | $\vdash$ | $\vdash$   | $\vdash$ | Н               |
|                | 17  | 1              | <del>/ -</del> | ⊢        | -        | ├  | ┢        | ┢  |          | Н               |
|                | 18  | V              |                |          |          | ⊢  | ┢        | ┢  | $\vdash$ | Н               |
| -              | 19  | ╁╌             | $\vdash$       | -        | -        | ├  | ┢        | ╁╾   | -        | ╁┯┥             |
|                | 20  | t              | $\vdash$       |          |          | $\vdash$   | lТ       | i  | $\vdash$ | Н               |
|                | 21  | T              |                |          |          | Г  | Г        | Т  |          | П               |
|                | 22  |                |                |          |          |  |          |  |          |                 |
|                | 23  |                |                |          |          |  |          |  |          | Ш               |
|                | 24  | <u> </u>       | _              | _        | L        |  | <u> </u> | <u> </u>   | <u> </u> | Ш               |
|                | 25<br>26  | <u> </u>       | <u> </u>       | <u> </u> | ļ        | <u> </u>   | -        | ļ  | <u> </u> | -               |
| <u> </u>       | 27  |                | H              | ⊢        | ┝        | <del>                                     </del> |          |  |          | $\vdash\vdash$  |
|                | 28  | $\vdash$       | ⊢              | $\vdash$ | $\vdash$ | $\vdash$   | ⊢        | $\vdash$   | $\vdash$ | $\vdash \vdash$ |
| _              | 28<br>29<br>30                                    |                | ├              | $\vdash$ | -        | $\vdash$   | ├        | <del> </del>                                       | ┢        | $\vdash$        |
|                | 30  | $\vdash$       |                | -        | -        | $\vdash$   | -        | <del>  -                                    </del> | -        |                 |
|                | 31  | $\vdash$       | -              |          | T        |  |          | <b></b>  | 1        |                 |
|                | 32  |                |                |          |          |  |          |  |          |                 |
|                | 33  |                |                |          |          |  |          |  |          |                 |
|                | 34  |                |                | _        | _        | _  | _        | $oxed{oxed}$                                       | <u> </u> |                 |
|                | 35  | <del> </del> _ | <u> </u>       | <u> </u> | <u> </u> | _  | <u> </u> | <u> </u>   | _        | Ш               |
| <del> </del> - | 36<br>37  | -              | -              | -        | -        | -  | -        | _  | ⊢        | $\vdash \vdash$ |
|                | 38  | -              | -              | -        |          | -  | -        | -  | ┝        | Н               |
|                | 39  | $\vdash$       | $\vdash$       | $\vdash$ | -        | -  | -        | ┢  | -        | Н               |
|                | 40  | <u> </u>       | $\vdash$       | $\vdash$ | Т        | -  | _        | -  | $\vdash$ | Н               |
|                | 41  |                |                |          |          |  | Т        | $\vdash$   |          | М               |
|                | 42  |                |                |          |          |  |          |  |          |                 |
| Ш              | 43  |                |                |          |          |  |          |  |          |                 |
|                | 44  | L              |                |          | Ĺ        | L  | L        |  | $\Box$   | Ш               |
|                | 45  | _              |                | _        |          | <u> </u>   | <u> </u> | ļ  | <u> </u> | Щ               |
|                | 46<br>47  | <u> </u>       | _              |          | <u> </u> |  | _        |  | $\vdash$ | Н               |
| $\vdash$       | 48  |                | _              |          | _        | <del> </del>                                     | ⊢        | $\vdash$   | $\vdash$ | $\vdash\vdash$  |
|                | 49  | <u> </u>       | -              | $\vdash$ | _        | $\vdash$   | _        | $\vdash$   | H        | $\vdash$        |
| $\vdash$       | 50  | H              |                |          |          | $\vdash$   |          | $\vdash$   | <u> </u> | Н               |
|                |   |                |                | L        | L        | ı  |          | L  |          |                 |

| Cli      | aim            |                                     | —              |              |                | ) at           |                |                |               |              |
|----------|----------------|-------------------------------------|----------------|--------------|----------------|----------------|----------------|----------------|---------------|--------------|
| 0,0      |                | $\vdash$                            | _              |              | т,             | Date           | <del>"</del>   | _              | _             |              |
| Final    | Original       |                                     |                |              |                |                |                |                |               |              |
| -        |                | lacksquare                          | ⊢              | $\vdash$     |                | <u> </u>       | <u> </u>       | Ь.             | <u> </u>      | <u> </u>     |
|          | 51<br>52<br>53 | -                                   | ⊢              | ⊢            | _              | ⊢              | ⊢              | <u> </u>       | <u> </u>      | <u> </u>     |
|          | 52             | <u> </u>                            | ├_             | ┡            | ₩.             | ┞              | ╙              | <u> </u>       | —             | ┡            |
|          | 53             |                                     | ⊢              | <u> </u>     | <u> </u>       | <u> </u>       | ⊢              | <u> </u>       | ⊢             | ┞            |
|          | 54<br>55       | igspace                             | $\vdash$       | <u> </u>     | <u> </u>       | <u> </u>       | <u> </u>       | <b> </b> -     | ⊢             | <u> _</u>    |
|          | 55             | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | igspace        | ┞            | <u> </u>       | <u> </u>       | <u> </u>       | <u> </u>       | <u> </u>      | _            |
|          | 56             | $ldsymbol{f eta}$                   | $\vdash$       | $\vdash$     | <u> </u>       | <u> </u>       | <u> </u>       |                | <u> </u>      | <u> </u>     |
| -        | 57             | $\vdash$                            | ├              |              |                | <u> </u>       | <u> </u>       | Ь              | <u> </u>      | <u> </u>     |
| -        | 58             | $\vdash$                            | <u> </u>       | ⊢            |                |                | ├_             | ├_             | <u> </u>      | <u> </u>     |
|          | 59             | $\vdash$                            | <u> </u>       | <u> </u>     | ├_             | <u> </u>       | <u> </u>       |                | ļ             | -            |
|          | 60             |                                     | ₩              | ├—           | <u> </u>       | ⊢              | ⊢              | ⊬              | ├             | ⊢            |
|          | 61             |                                     | <u> </u>       | ├            | <u> </u>       | <u> </u>       | <u> </u>       | —              | ├_            | <u> </u>     |
|          | 62<br>63       | -                                   | ├—             | -            |                | <u> </u>       | ⊢              | ₩              | ⊢             | ⊢            |
| -        | 63             | $\vdash$                            | ⊢              | ⊬            | ⊢              | ⊢              | ├              | <del> </del>   | ⊢             | ├            |
| -        | 64<br>65<br>66 | <u> </u>                            | ├              | -            | <u> </u>       | <del> </del>   | ⊢              | ₩              | ├             |              |
|          | 65             | $\vdash$                            | ⊢              | ⊢            | ⊢              | ├              | ļ              |                | ⊢             | ├-           |
| -        | 67             | $\vdash$                            | ├              | -            | H              | <u> </u>       | <u> </u>       |                | <del> </del>  | ⊢            |
|          | 67             | $\vdash$                            | ⊢              | ⊢            | ⊢              | ⊢              | ⊢              | <u> </u>       | ⊢             | ⊢            |
|          | 68             |                                     | ├              |              | <del> </del>   | ├—             | ⊢              | ├—             | <del> </del>  | -            |
| <u> </u> | 69             | <u> </u>                            | ⊢              | ├            | ├—             | ₩              | ₩              | ├              | <b>!</b> —    | <u> </u>     |
| <u> </u> | 70<br>71       | $\vdash$                            | ⊢              | ⊢            | ╙              | ⊢              | ├—             | ╙              | ⊢             | ├-           |
|          | 71             | $\vdash$                            | ⊢              | ├            | <u> </u>       | ┞              | <u> </u>       | ├              |               | <u> </u>     |
|          | 72             | $\vdash$                            | Ь              | <u> </u>     | <u> </u>       | ₩              | <u> </u>       | <u> </u>       | ┞             | L            |
|          | 73<br>74       |                                     | <u> </u>       | <u> </u>     | <u> </u>       | <u> </u>       | Ь.             | L_             | <u> </u>      | <u> </u>     |
|          | 75             | $\vdash$                            | ļ              | <u> </u>     | <del> </del>   | <u> </u>       | <u> </u>       |                | ⊢             | <del> </del> |
|          | 75             | <u> </u>                            | $\vdash$       | ⊢            | ₩              | —              | ₩              | ₩              | ₩             | $\vdash$     |
| <u> </u> | 76<br>77       |                                     |                | <b> </b>     | <b> </b>       | <b> </b>       |                | $\vdash$       | ₩             | <u> </u>     |
| <u> </u> | 70             | <del> </del>                        |                | <del> </del> |                | ├—             | ₩              | <u> </u>       | <del> </del>  | <u> </u>     |
|          | 78<br>79       | $\vdash$                            | $\vdash$       | $\vdash$     | <u> </u>       | -              | <del> </del>   | -              | $\vdash$      | ⊢            |
|          | /9             | Щ                                   | $\vdash$       | $\vdash$     | ₩              | ₩              | ₩              | <u> </u>       | $\vdash$      | $\vdash$     |
|          | 80             | $\vdash$                            | $\vdash$       | $\vdash$     | $\vdash$       | —              | $\vdash$       | $\vdash$       | $\vdash$      | $\vdash$     |
| -        | 02             | $\vdash$                            |                | <del> </del> | <del> </del> — | <b> </b>       | Ь.             | <u> </u>       |               |              |
| $\vdash$ | 81<br>82<br>83 | $\vdash$                            | <u> </u>       | <u> </u>     | -              | ├              |                | <u> </u>       | $\vdash$      | $\vdash$     |
|          | 83             | $\vdash$                            | $\vdash$       | $\vdash$     | $\vdash$       | $\vdash$       | $\vdash$       | <u> </u>       | $\vdash$      | $\vdash$     |
| -        | 85             | Н                                   | $\vdash$       | $\vdash$     | $\vdash\vdash$ | $\vdash\vdash$ | $\vdash\vdash$ | $\vdash$       | $\vdash$      | $\vdash$     |
|          | 00             | $\vdash$                            | H              | $\vdash$     | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash$      | $\vdash$     |
| $\vdash$ | 86<br>87       |                                     |                |              |                |                | $\vdash$       | -              |               | l-           |
|          | 88             | $\vdash$                            | $\vdash$       | $\vdash$     | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash$      | $\vdash$     |
|          | 89             |                                     | -              | -            |                | $\vdash$       | $\vdash$       | $\vdash$       | -             | -            |
| $\vdash$ | 90             | H                                   |                | -            | -              | -              | $\vdash$       | $\vdash$       | $\vdash$      | $\vdash$     |
|          | 91             | -                                   | H              | H            | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash$      | $\vdash$     |
| -        | 92             | $\vdash$                            | $\vdash$       |              |                | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash$      | -            |
|          | 93             | $\vdash$                            | $\vdash$       | $\vdash$     | $\vdash$       | $\vdash$       | H              | H              | $\vdash$      | $\vdash$     |
|          | 94             | $\vdash$                            |                | -            |                | H              | $\vdash$       | $\vdash$       | H             | $\vdash$     |
| -        | 95             | $\vdash$                            | $\vdash\vdash$ | $\vdash$     | -              |                | -              | -              | <del>  </del> | <del> </del> |
| -        | 96             | $\vdash$                            | $\vdash$       | H            | $\vdash$       |                | $\vdash$       | -              | H             | $\vdash$     |
| -        | 97             | $\vdash$                            | $\vdash\vdash$ | $\vdash$     | $\vdash$       | $\vdash$       | $\vdash$       | $\vdash\vdash$ | -             | -            |
| $\vdash$ | 98             |                                     | $\vdash$       | $\vdash$     | $\vdash$       | Н              | $\vdash$       | $\vdash$       | $\vdash$      | -            |
|          | 99             | $\vdash$                            | Н              | $\vdash$     | $\vdash$       | $\vdash$       |                |                | $\vdash$      | $\vdash$     |
| -        | 100            | $\vdash$                            | $\vdash\vdash$ | $\vdash$     | $\vdash$       | $\vdash$       |                |                | $\vdash$      | $\vdash$     |
|          | 100            |                                     |                | 1 1          |                |                | 1 !            | 1 !            | 1 1           | i            |

| Cla      | aim                             | Date     |  |  |          |  |          |   |  |           |
|----------|---------------------------------|----------|--|--|----------|--|----------|---|--|-----------|
|          | 1                               |          |  |  | T-       | 1  | Ť        |   | Г  |           |
| <u>—</u> | Original                        |          |  |  |          |  |          |   |  |           |
| Final    | ē                               |          |  |  |          |  |          |   |  |           |
|          | 0                               |          |  |  |          |  |          |   | İ  |           |
|          | 101                             |          | -  | -  | _        | <del>                                     </del> | ┪        | _ | _  |           |
|          | 101<br>102                      | -        | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | _        | - | $\vdash$   | Н         |
|          | 103                             | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | H  |          | _ | $\vdash$   | Н         |
|          | 104                             | _        | <del>                                     </del> | ┢  | 1        | 1  | -        |   | <del>                                     </del> | Н         |
|          | 105                             |          | $\vdash$   | <del>                                     </del>   | -        | <del>                                     </del> |          |   |  | H         |
|          | 106                             | $\vdash$ |  | ┢  | -        | _  | 1        | _ |  | Н         |
|          | 107                             |          | $\vdash$   |  | $\vdash$ | _  | _        | _ |  | Н         |
|          | 108                             |          |  | _  | _        | $\vdash$   |          | - |  |           |
|          | 109                             |          |  | <del>                                     </del>   | _        |  | 1        |   | $\vdash$   | П         |
|          | 110                             |          | $\vdash$   | T  | $\vdash$ | $\vdash$   | $\vdash$ | _ | $\vdash$   | П         |
|          | 111                             |          | Г  |  | 1        |  |          |   |  |           |
|          | 112                             | $\vdash$ | Г  |  |          | _  | 1        |   | Г  | П         |
|          | 112<br>113                      |          |  | Г  | T        | T  | Г        |   | Г  |           |
|          | 114                             |          | Ι  | 1  | П        | Г  |          |   |  |           |
|          | 114<br>115                      |          |  |  |          | П  |          |   | _  |           |
|          | l 116                           | ļ        |  |  |          |  |          |   |  |           |
|          | 117                             |          |  | Г  |          |  |          |   |  |           |
|          | 118                             |          | Г  | Г  | T        |  | Г        |   |  |           |
|          | 117<br>118<br>119               |          | Γ  |  | Г        |  | Г        |   |  |           |
|          | 120                             |          | _  |  | П        | Г  |          |   |  |           |
|          | 120<br>121<br>122<br>123<br>124 | _        |  | Π  |          |  |          |   |  |           |
|          | 122                             |          |  |  |          |  |          |   |  |           |
|          | 123                             |          |  | Г  |          |  | Π        |   | Г  |           |
|          | 124                             |          |  | Г  |          |  |          |   |  |           |
|          | 125<br>126                      |          |  |  |          | Г  | ·        |   |  |           |
|          | 126                             |          |  | T-   | Г        | Π  |          |   |  |           |
|          | 127                             |          |  |  |          |  |          |   |  |           |
|          | 128<br>129<br>130               |          |  |  |          |  |          |   |  |           |
|          | 129                             |          |  | П  | Г        | Г  |          |   |  |           |
|          | 130                             |          |  |  |          |  |          |   |  |           |
|          | 131                             | Γ        |  |  |          |  |          |   |  | П         |
|          | 131<br>132                      |          |  |  |          |  |          |   |  |           |
|          | 133                             |          |  |  |          |  |          |   |  |           |
|          | 133<br>134                      |          |  |  |          |  |          |   |  |           |
|          | 135                             |          |  |  |          |  |          |   |  |           |
|          | 136<br>137                      |          |  |  |          |  |          |   |  |           |
|          | 137                             |          |  |  |          |  |          |   |  |           |
|          | 138                             |          |  |  |          |  |          |   |  |           |
|          | 139                             |          | L.   |  |          |  |          |   |  |           |
|          | 140                             |          |  | _  |          |  | _        |   |  |           |
|          | 141                             |          |  |  |          | _  |          |   |  | Ш         |
|          | 142                             | <u> </u> | $\perp$  |  | Ш        |  |          |   |  |           |
|          | 143                             |          |  |  |          |  |          |   |  | $\square$ |
|          | 144                             |          | L  | $ldsymbol{ld}}}}}}$ |          |  |          |   | لــــا   | Ш         |
|          | 145                             |          |  | _  |          |  |          |   |  |           |
|          | 146                             |          |  |  |          |  |          |   |  |           |
|          | 147                             |          |  |  |          |  |          |   |  |           |
|          | 148                             |          |  |  |          |  |          |   |  |           |
|          | 149                             |          |  |  |          |  |          |   |  |           |
|          | 150                             |          |  |  |          |  |          |   |  |           |